

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Young Shik KANG, et al.

Serial No.: New Application      Group Art Unit: Not Yet Assigned

Filed: December 23, 2003      Examiner: Not Yet Assigned

Title: ELECTRO-ABSORPTION OPTICAL MODULATOR HAVING MULTIPLE  
QUANTUM WELL

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 23, 2003

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P69400US0 GROUP ART UNIT: Not Yet Assigned  
 SERIAL NO.: New Application FILING DATE: December 23, 2003  
 APPLICANT(S): Young Shik KANG, et al. TODAY'S DATE: December 23, 2003

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**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE            | NAME                 | INT'L<br>CLASS | SUB-<br>CLASS | FILING DATE<br>(If Appropriate) |
|----------------------|--------------------|-----------------|----------------------|----------------|---------------|---------------------------------|
| AA                   | <u>6,310,902</u>   | <u>10/30/01</u> | <u>Bylsma et al.</u> | <u>H01S</u>    | <u>5/026</u>  | <u>04/29/98</u>                 |
| AB                   |                    |                 |                      |                |               |                                 |

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**FOREIGN PATENT DOCUMENTS**

|    | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>(YES) (NO) |
|----|--------------------|------|---------|-------|---------------|---------------------------|
| AC |                    |      |         |       |               |                           |

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**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AD Takanori Iwai, et al.; "Signal Distortion and Noise in AM-SCM Transmission Systems Employing the Feedforward Linearized MQW-EA External Modulator"; Journal of Lightwave Technology, Vol. 13, No. 8; August 1995; pp. 1606-1612.

AE K. K. Loi, et al.; "Linearization of 1.3- $\mu$ m MQW Electroabsorption Modulators Using an All-Optical Frequency-Insensitive Technique"; IEEE Photonics Technology Letters, Vol. 10, No. 7; July 1998; pp. 964-966.

AF Gordon C. Wilson, et al.; "Predistortion of Electroabsorption Modulators for Analog CATV Systems at 1.55  $\mu$ m"; Journal of Lightwave Technology, Vol. 15, No. 9; September 1997; pp. 1654-1662.

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).